

Appendix L

Case No. : <u>2501S51531E-RF</u>
Ambient Condition: <u>24.5-25.5℃,38-47 %RH, 100.2-100.6kPa</u>
According Standard: <u>■Part15.247/RSS 247</u>
Test Date: <u>2025-4-29~2025-5-20</u> Test Engineer: <u>Navilite.Cai</u> Test Mode: <u>Transmitting</u>

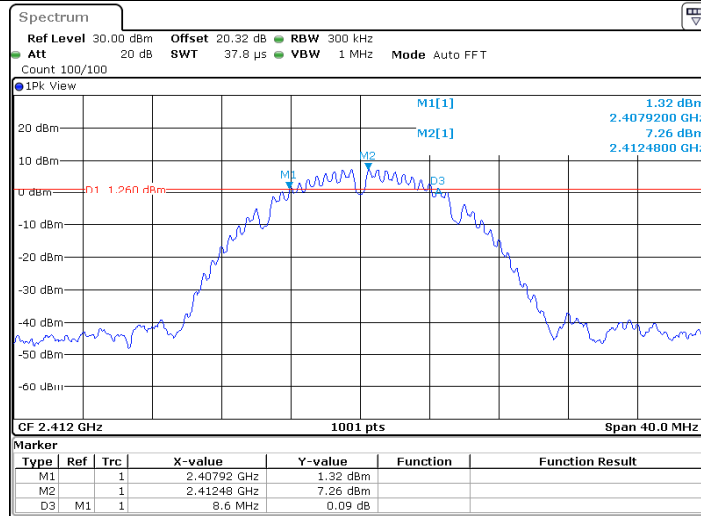
DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.60	2407.92	2416.52	0.5	PASS
		2437	8.20	2432.88	2441.08	0.5	PASS
		2462	8.16	2457.92	2466.08	0.5	PASS
11G	Ant1	2412	16.04	2403.92	2419.96	0.5	PASS
		2437	16.20	2428.92	2445.12	0.5	PASS
		2462	16.24	2453.84	2470.08	0.5	PASS
11N20SISO	Ant1	2412	17.40	2403.32	2420.72	0.5	PASS
		2437	17.20	2428.48	2445.68	0.5	PASS
		2462	17.44	2453.24	2470.68	0.5	PASS

Test Graphs

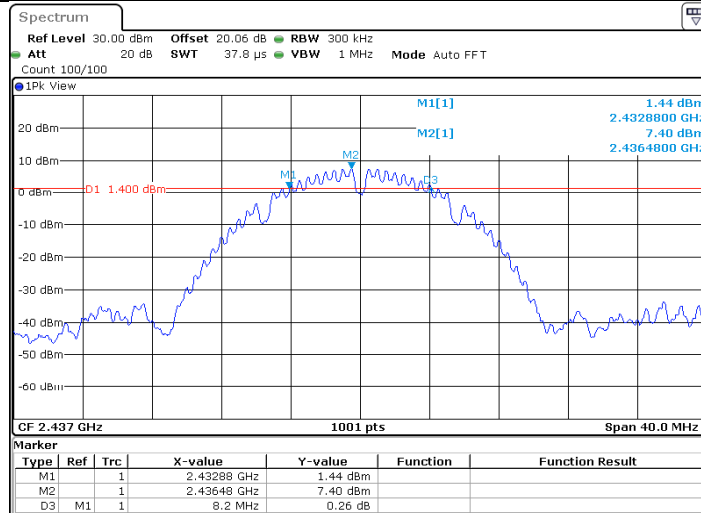
11B_Ant1_2412



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai

Date: 20.MAY.2025 09:36:25

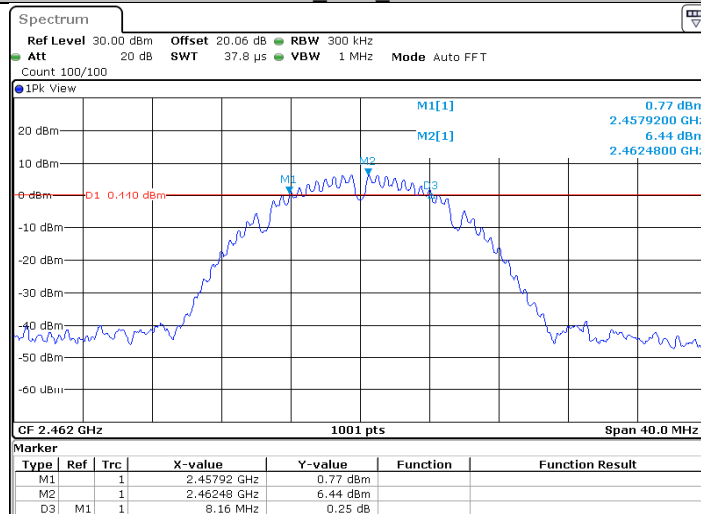
11B_Ant1_2437



ProjectNo.:2501S51531E-RF Tester:Navillite,Cai

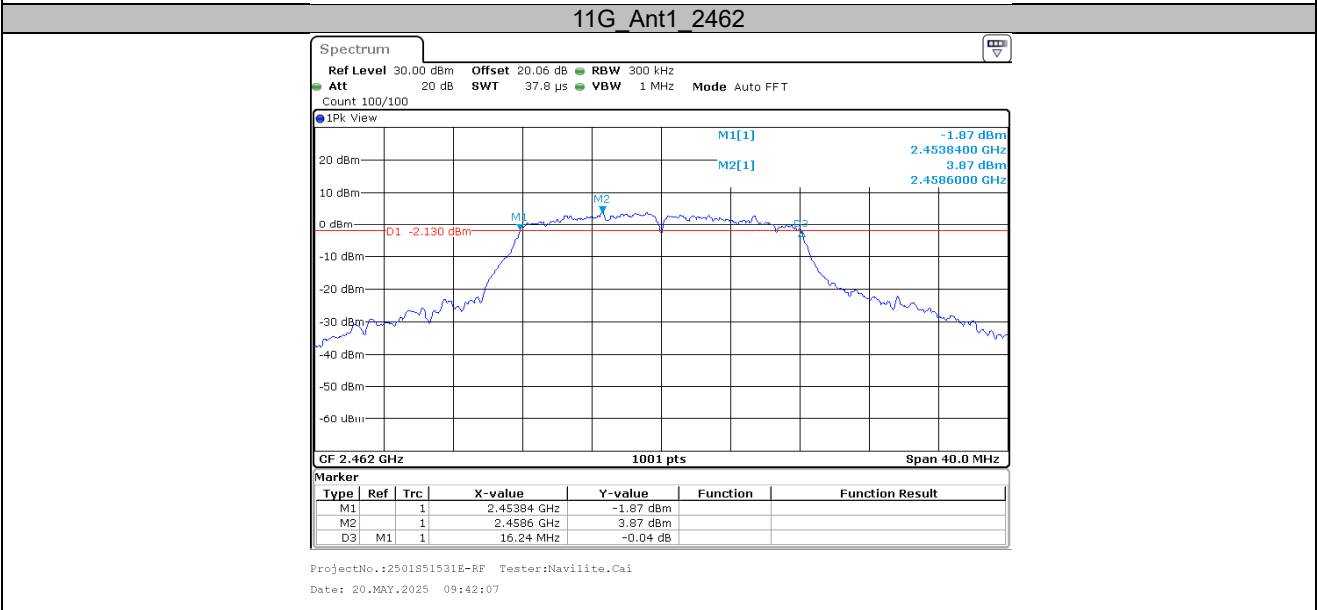
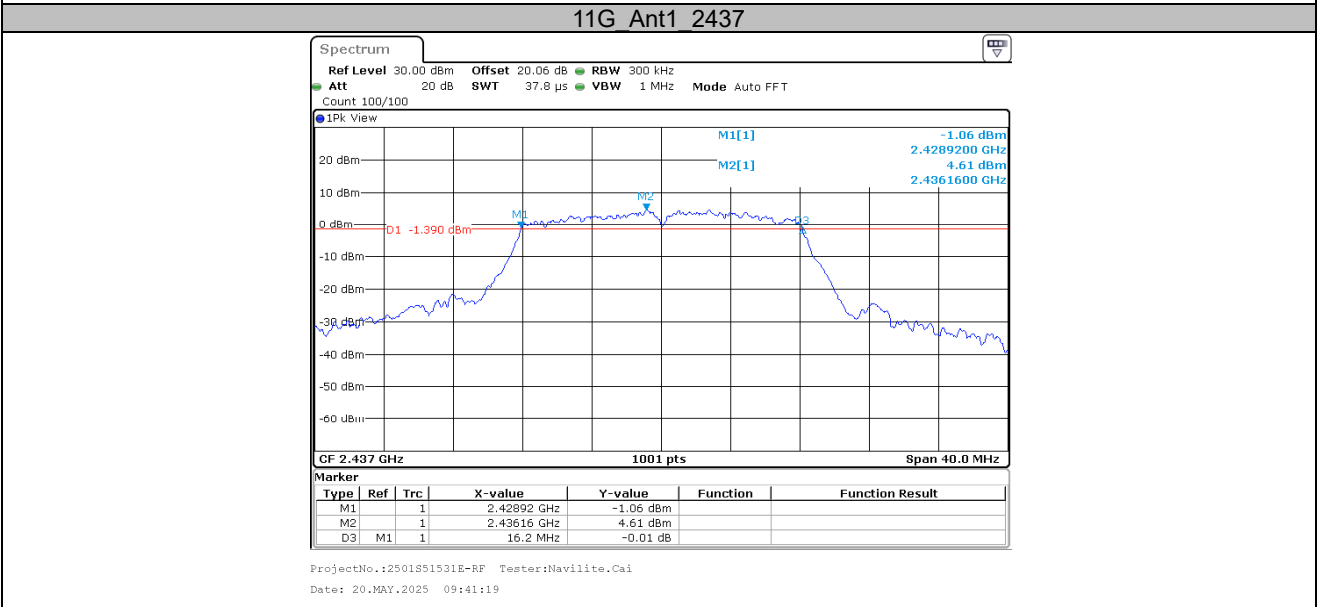
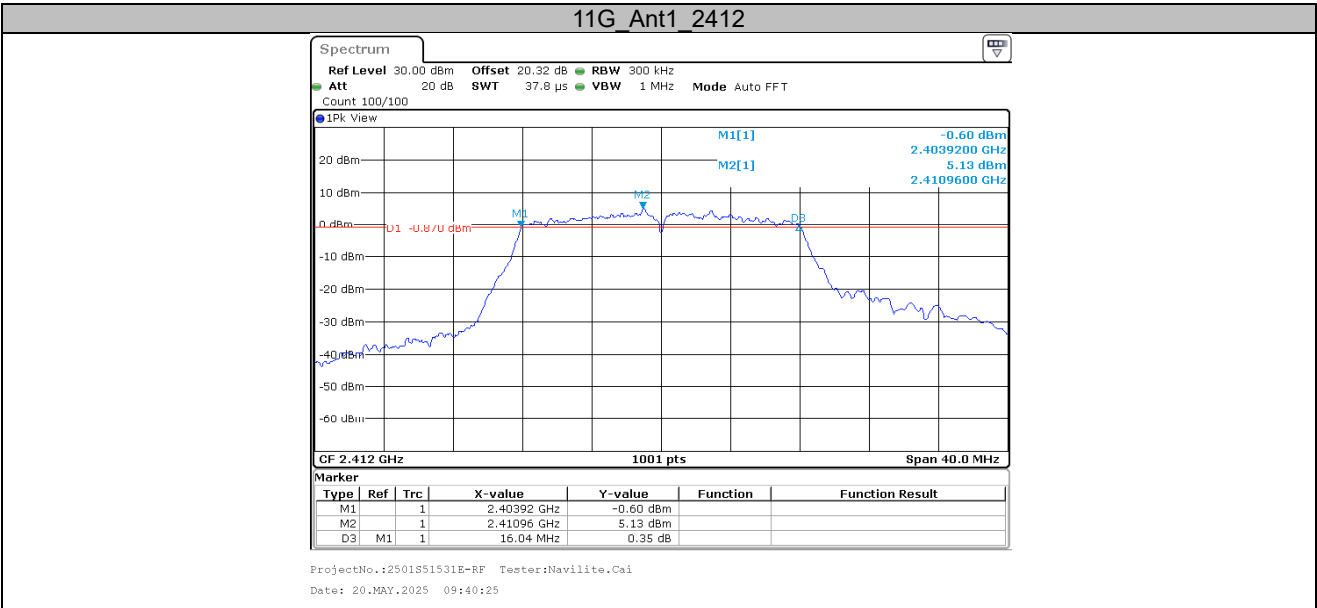
Date: 20.MAY.2025 09:38:24

11B_Ant1_2462

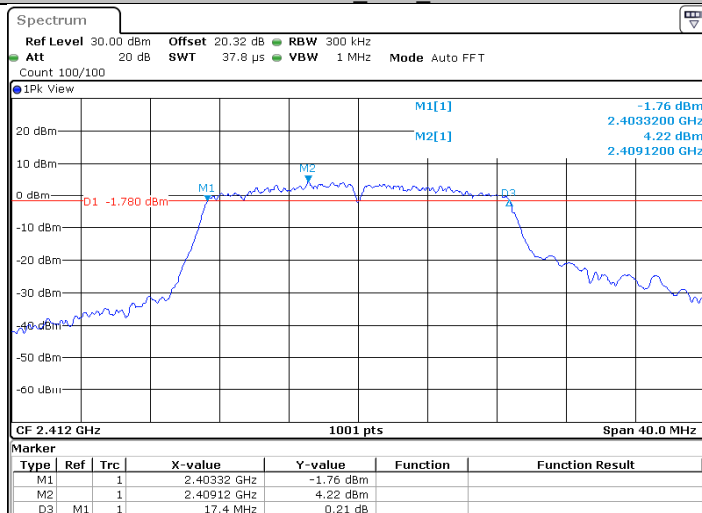


ProjectNo.:2501S51531E-RF Tester:Navillite,Cai

Date: 20.MAY.2025 09:38:54

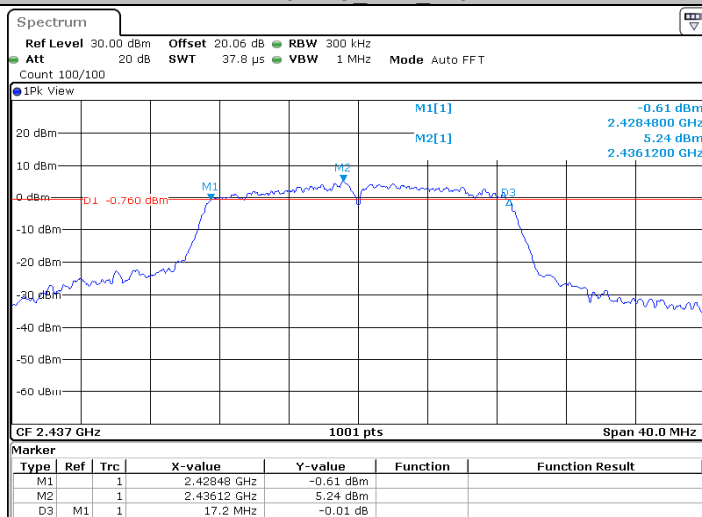


11N20SISO Ant1 2412



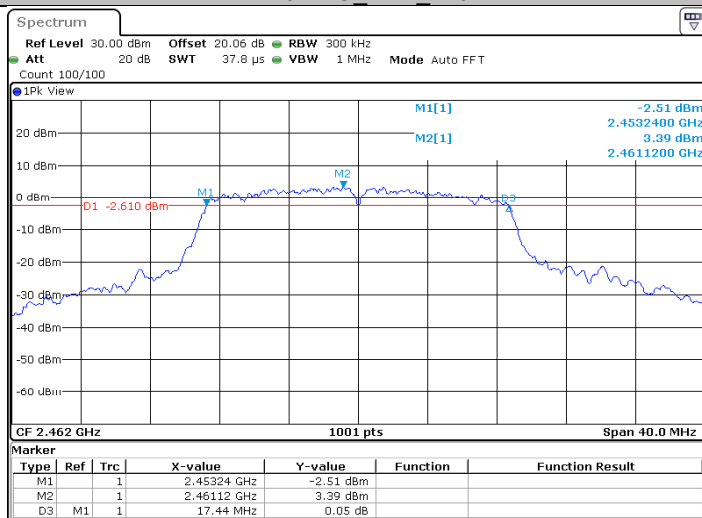
ProjectNo.:2501S51531E-RF Tester:Navillite.Cai
Date: 20.MAY.2025 09:44:26

11N20SISO Ant1 2437



ProjectNo.:2501S51531E-RF Tester:Navillite.Cai
Date: 20.MAY.2025 09:45:29

11N20SISO Ant1 2462



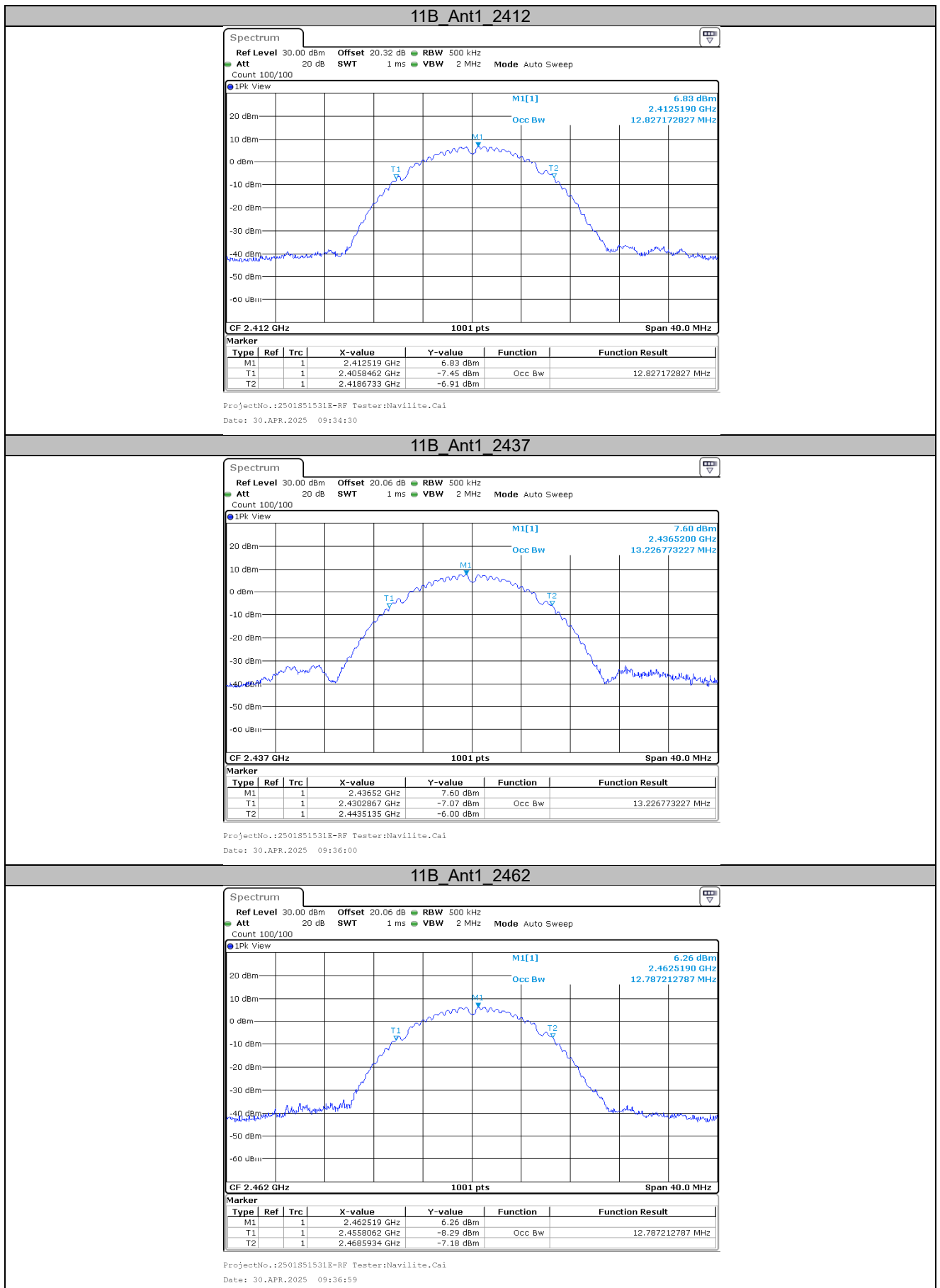
ProjectNo.:2501S51531E-RF Tester:Navillite.Cai
Date: 20.MAY.2025 09:46:00

Occupied Channel Bandwidth

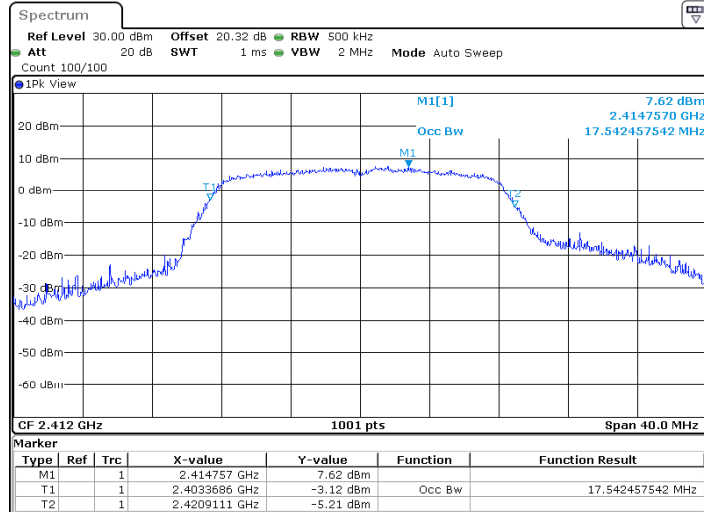
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	12.827	2405.8462	2418.6733
		2437	13.227	2430.2867	2443.5135
		2462	12.787	2455.8062	2468.5934
11G	Ant1	2412	17.542	2403.3686	2420.9111
		2437	17.303	2428.3287	2445.6314
		2462	17.862	2453.2088	2471.0709
11N20SISO	Ant1	2412	18.342	2402.9690	2421.3107
		2437	18.342	2427.8092	2446.1508
		2462	18.541	2452.8092	2471.3506

Test Graphs



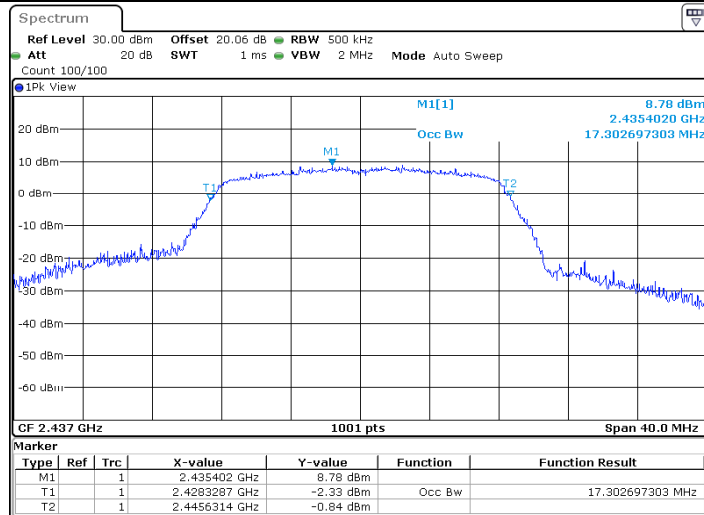
11G Ant1_2412



ProjectNo.:2501S51531E-RF Tester:Navilite.Cai

Date: 29.APR.2025 15:26:11

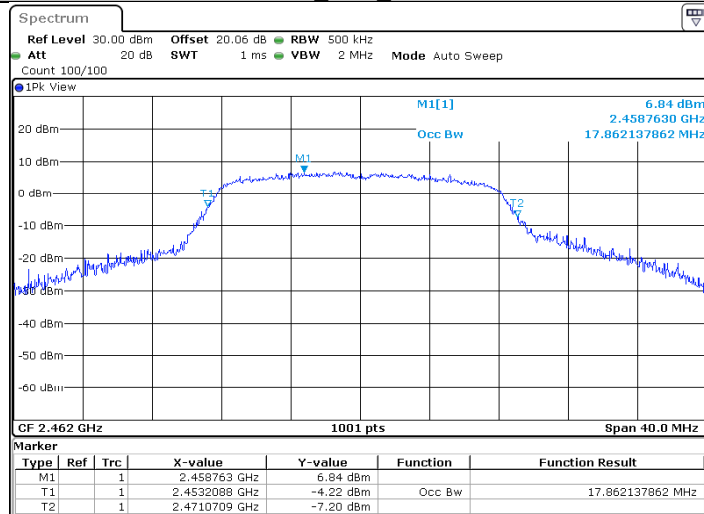
11G Ant1_2437



ProjectNo.:2501S51531E-RF Tester:Navilite.Cai

Date: 29.APR.2025 15:28:01

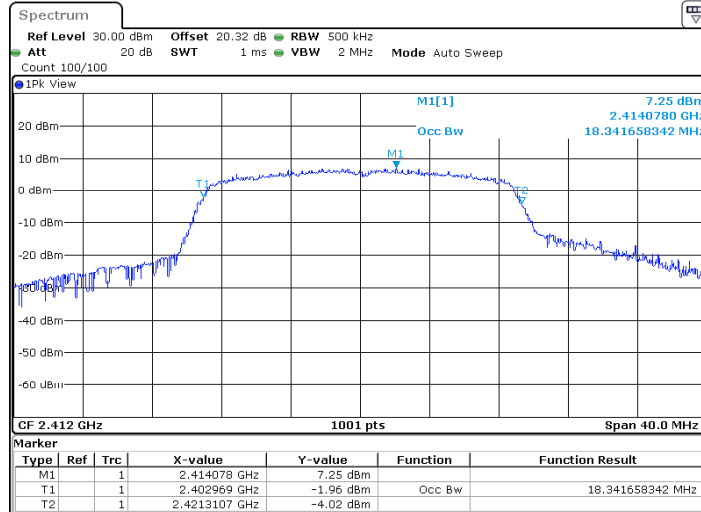
11G Ant1_2462



ProjectNo.:2501S51531E-RF Tester:Navilite.Cai

Date: 29.APR.2025 15:29:26

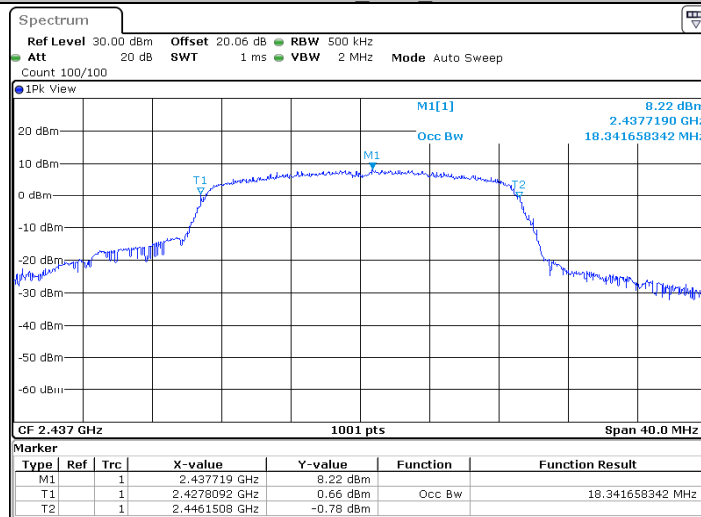
11N20SISO Ant1 2412



ProjectNo.:2501S51531E-RF Tester:Navilite,Cai

Date: 29.APR.2025 15:33:21

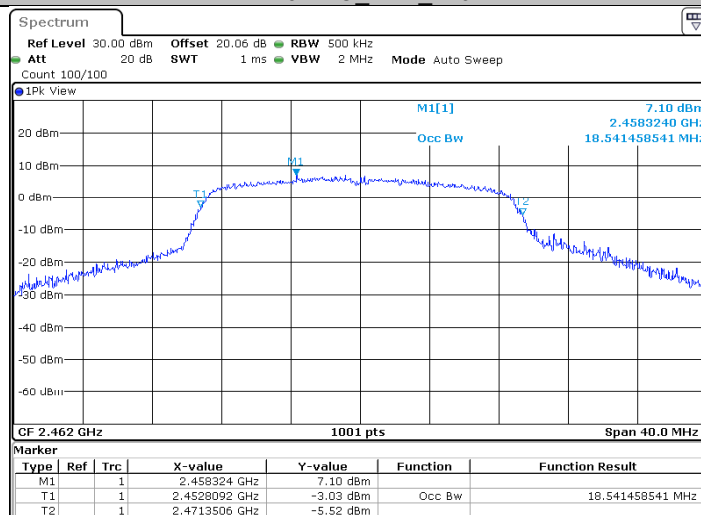
11N20SISO Ant1 2437



ProjectNo.:2501S51531E-RF Tester:Navilite,Cai

Date: 29.APR.2025 15:34:48

11N20SISO Ant1 2462



ProjectNo.:2501S51531E-RF Tester:Navilite,Cai

Date: 29.APR.2025 15:37:03

Maximum conducted output power

Test Result

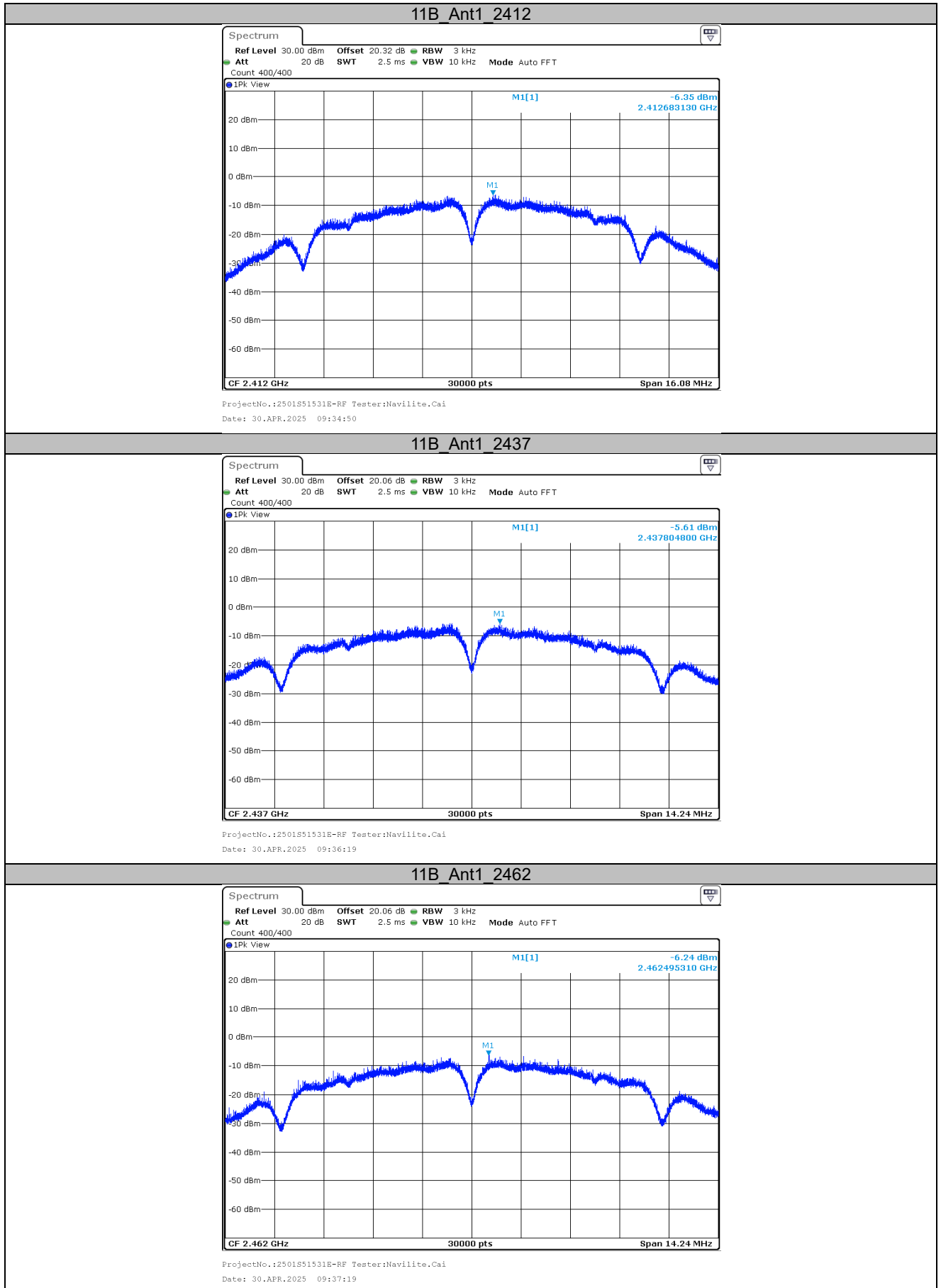
Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Average power [dBm]	Conducted Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	17.46	14.67	≤30.00	17.75	≤36.00	PASS
		2437	18.33	15.88	≤30.00	18.62	≤36.00	PASS
		2462	16.90	14.63	≤30.00	17.19	≤36.00	PASS
11G	Ant1	2412	20.97	13.32	≤30.00	21.26	≤36.00	PASS
		2437	21.75	14.19	≤30.00	22.04	≤36.00	PASS
		2462	20.24	13.07	≤30.00	20.53	≤36.00	PASS
11N20SISO	Ant1	2412	20.61	13.36	≤30.00	20.90	≤36.00	PASS
		2437	21.72	14.13	≤30.00	22.01	≤36.00	PASS
		2462	20.09	12.97	≤30.00	20.38	≤36.00	PASS

Maximum power spectral density

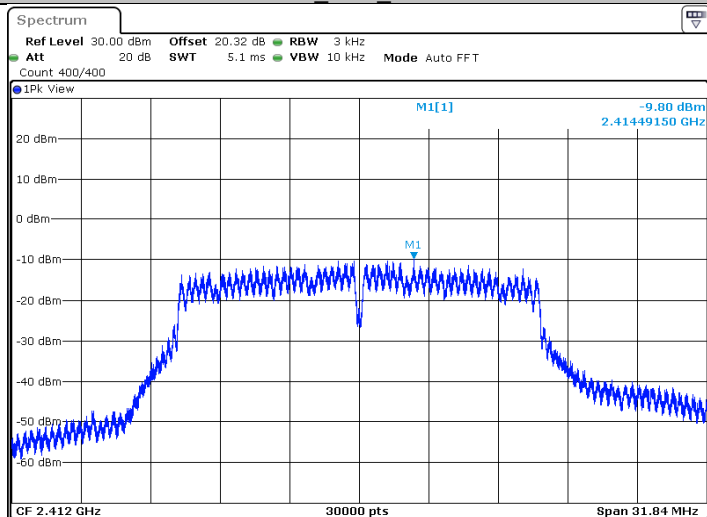
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.35	≤8.00	PASS
		2437	-5.61	≤8.00	PASS
		2462	-6.24	≤8.00	PASS
11G	Ant1	2412	-9.80	≤8.00	PASS
		2437	-8.59	≤8.00	PASS
		2462	-10.88	≤8.00	PASS
11N20SISO	Ant1	2412	-10.12	≤8.00	PASS
		2437	-9.47	≤8.00	PASS
		2462	-11.20	≤8.00	PASS

Test Graphs

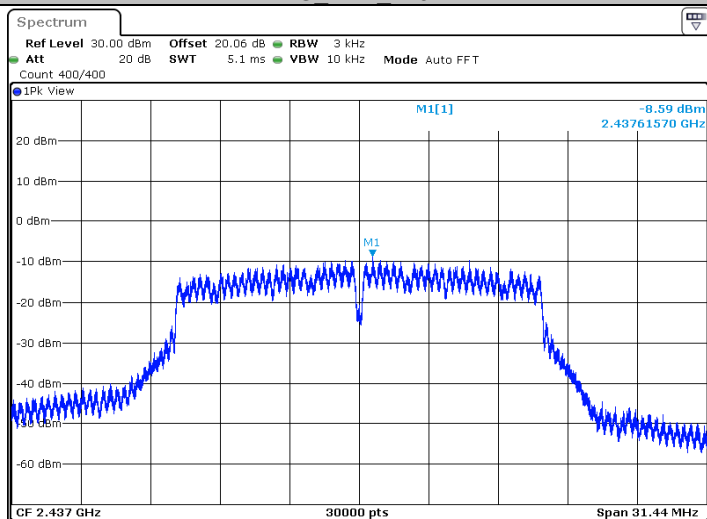


11G_Ant1_2412



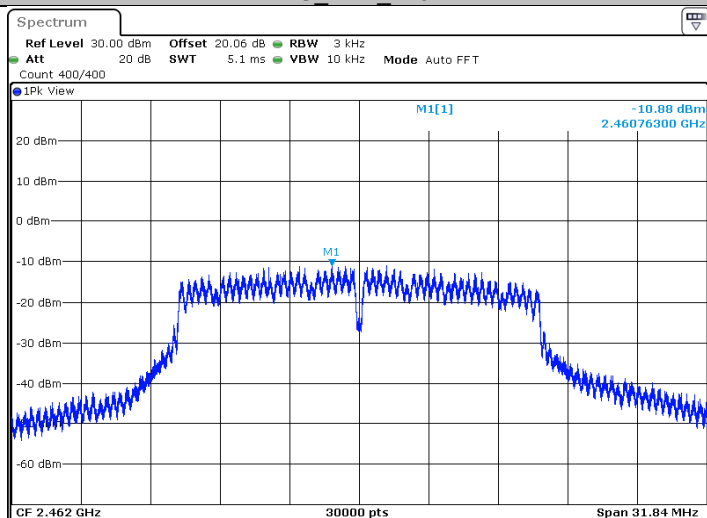
ProjectNo.:2501S51531E-RF Tester:Navilite.Cai
Date: 29.APR.2025 15:26:31

11G_Ant1_2437



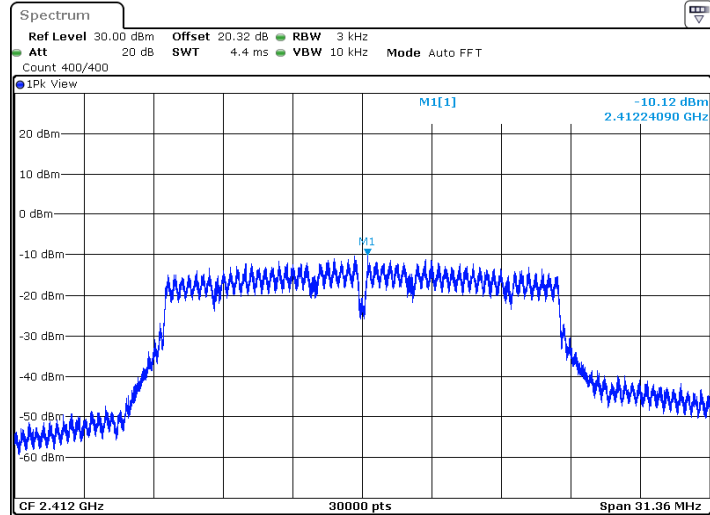
ProjectNo.:2501S51531E-RF Tester:Navilite.Cai
Date: 29.APR.2025 15:28:22

11G_Ant1_2462



ProjectNo.:2501S51531E-RF Tester:Navilite.Cai
Date: 29.APR.2025 15:29:46

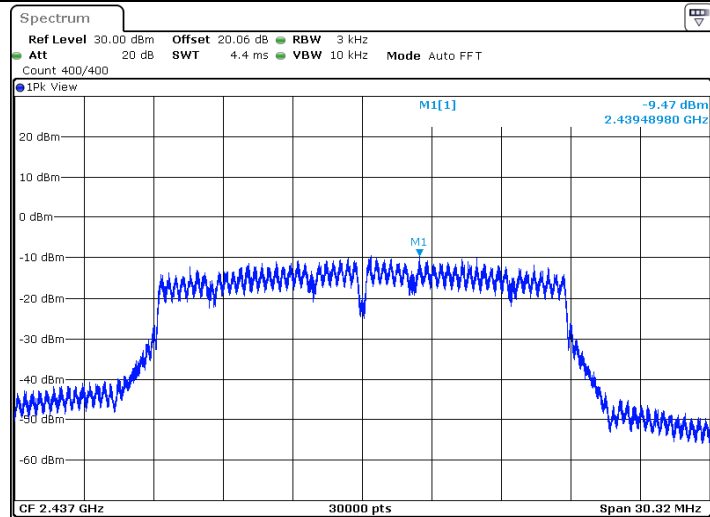
11N20SISO_Ant1_2412



ProjectNo.:2501S51531E-RF Tester:Navilite.Cai

Date: 29.APR.2025 15:33:42

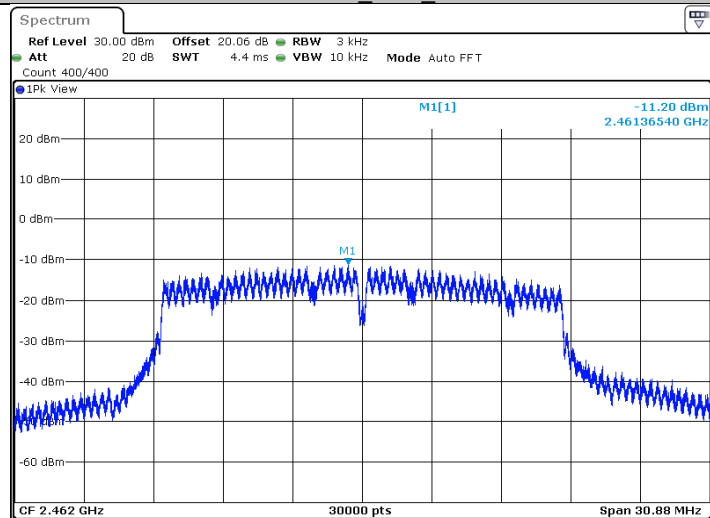
11N20SISO_Ant1_2437



ProjectNo.:2501S51531E-RF Tester:Navilite.Cai

Date: 29.APR.2025 15:35:09

11N20SISO_Ant1_2462

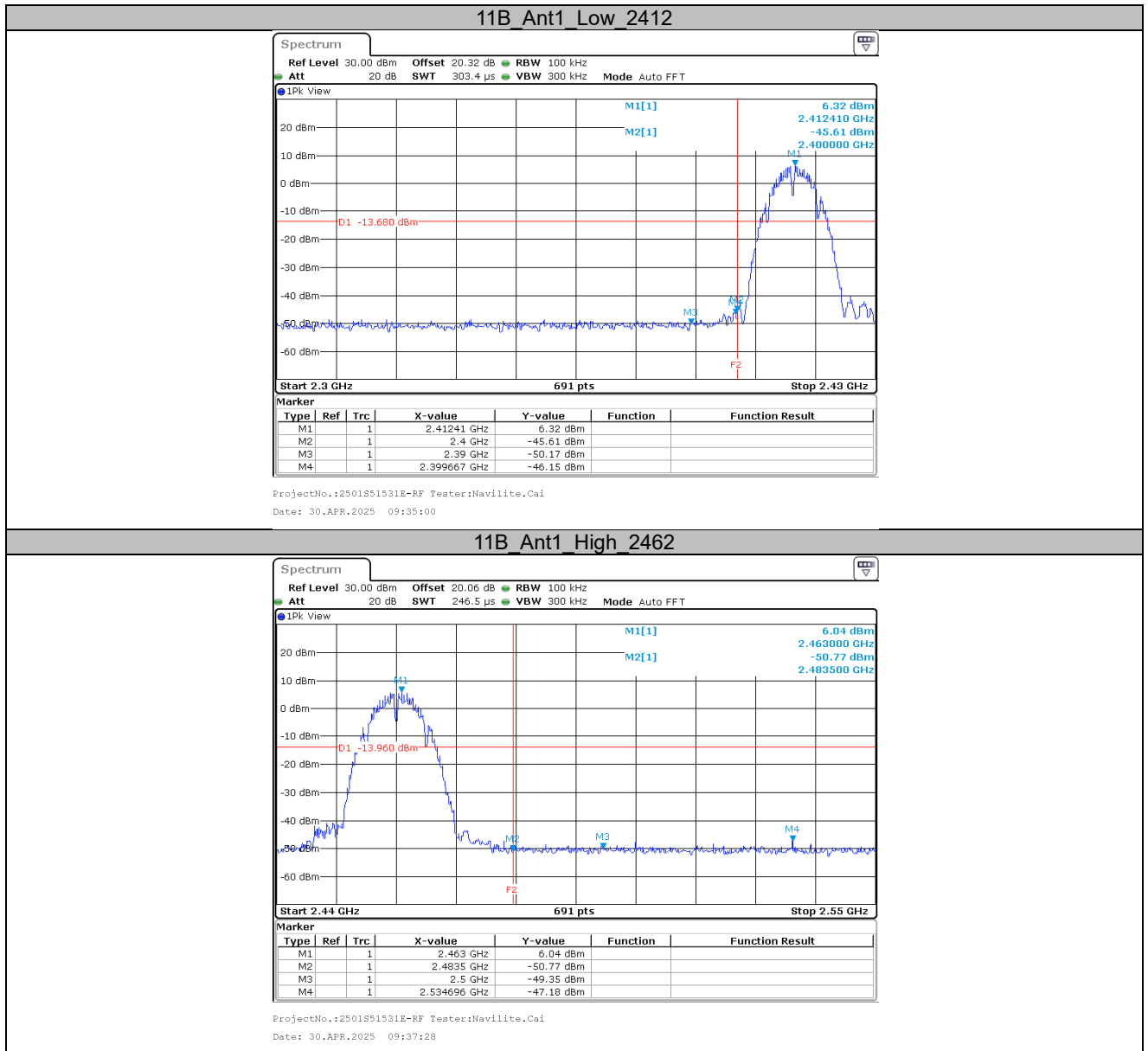


ProjectNo.:2501S51531E-RF Tester:Navilite.Cai

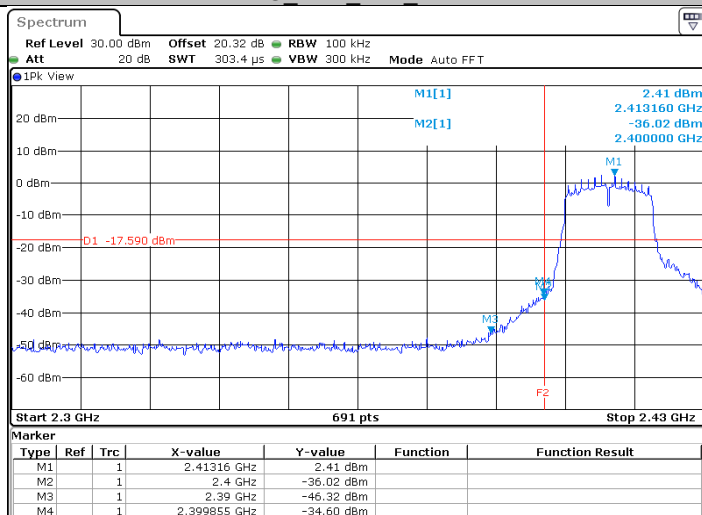
Date: 29.APR.2025 15:37:24

Band edge measurements

Test Graphs



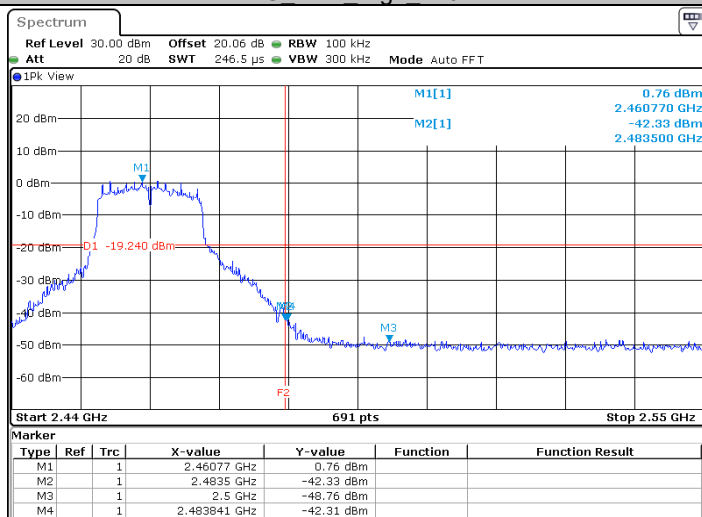
11G Ant1 Low 2412



ProjectNo.:2501S51531E-RF Tester:Navilite.Cai

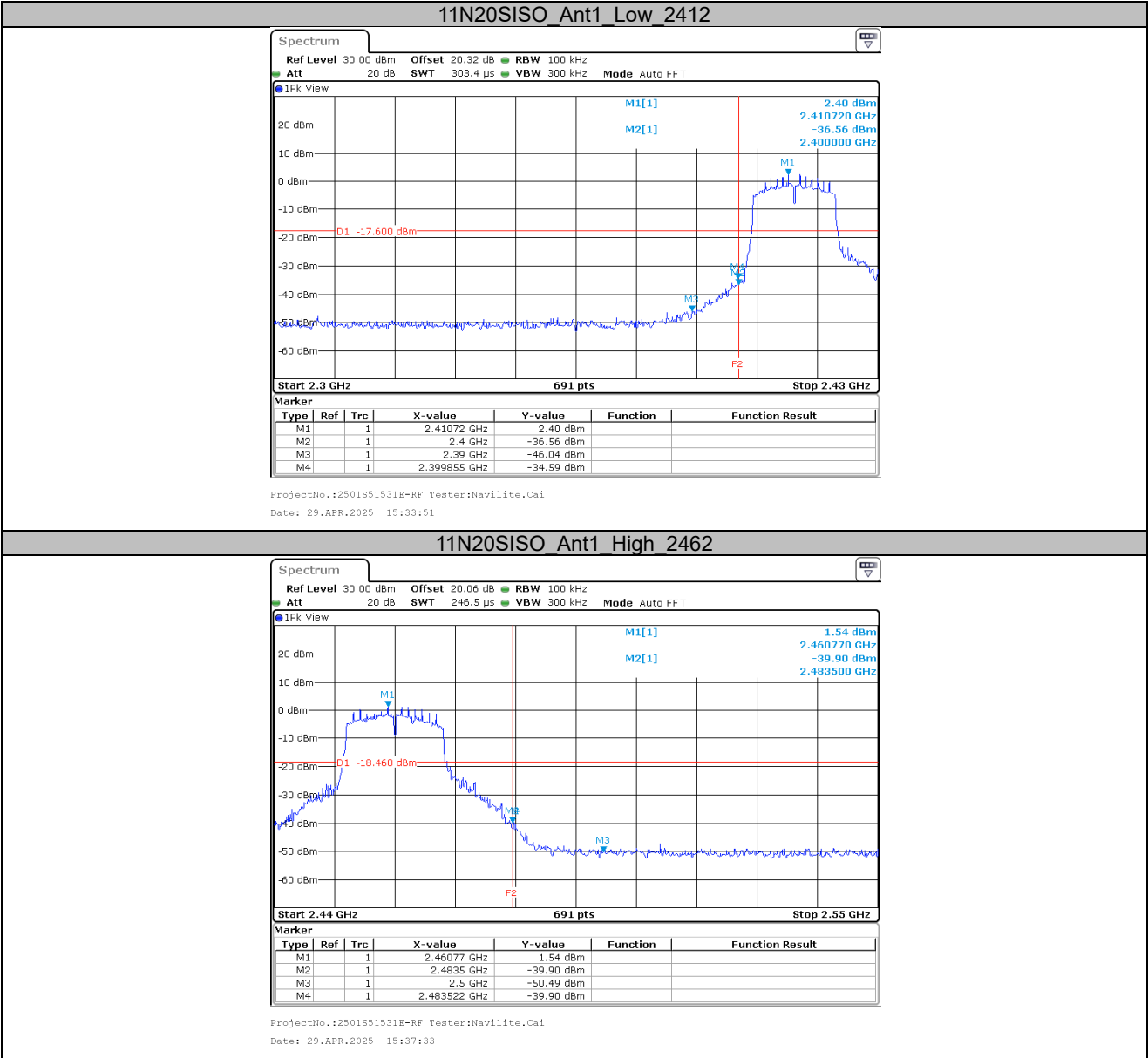
Date: 29.APR.2025 15:26:40

11G Ant1 High 2462



ProjectNo.:2501S51531E-RF Tester:Navilite.Cai

Date: 29.APR.2025 15:29:56

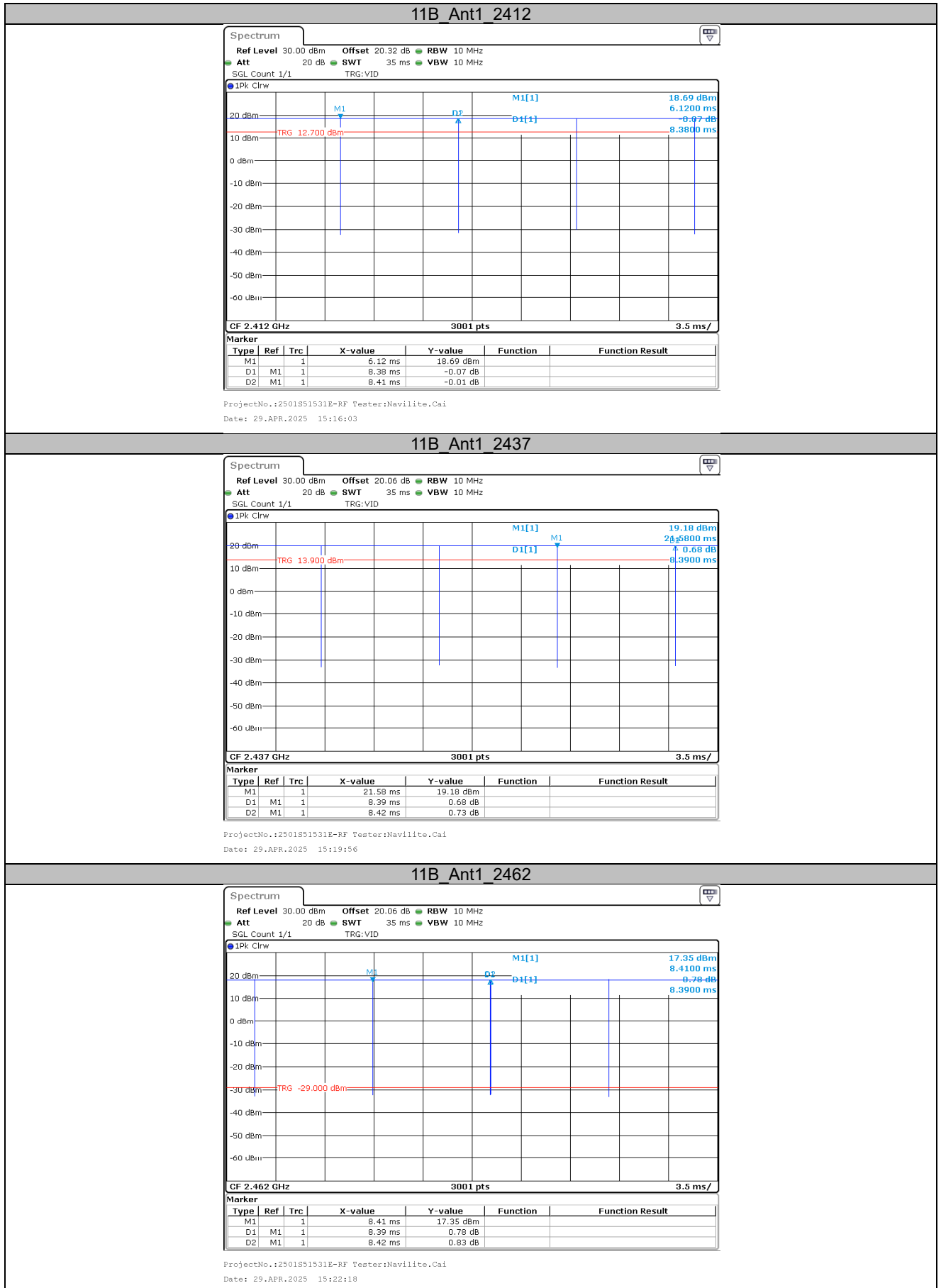


Duty Cycle

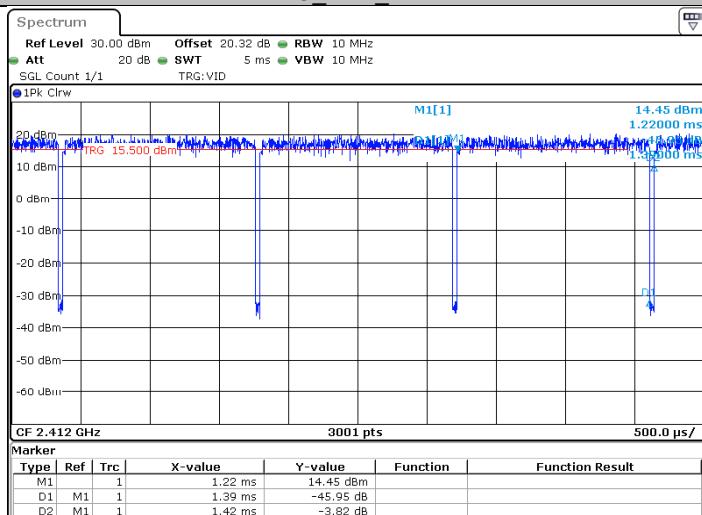
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/Ton [Hz]	VBW Setting [kHz]
11B	Ant1	2412	8.38	8.41	99.64	/	0.010
		2437	8.39	8.42	99.64	/	0.010
		2462	8.39	8.42	99.64	/	0.010
11G	Ant1	2412	1.39	1.42	97.89	719	1
		2437	1.39	1.43	97.20	719	1
		2462	1.39	1.43	97.20	719	1
11N20SISO	Ant1	2412	1.29	1.33	96.99	775	1
		2437	1.29	1.33	96.99	775	1
		2462	1.30	1.34	97.01	769	1

Test Graphs

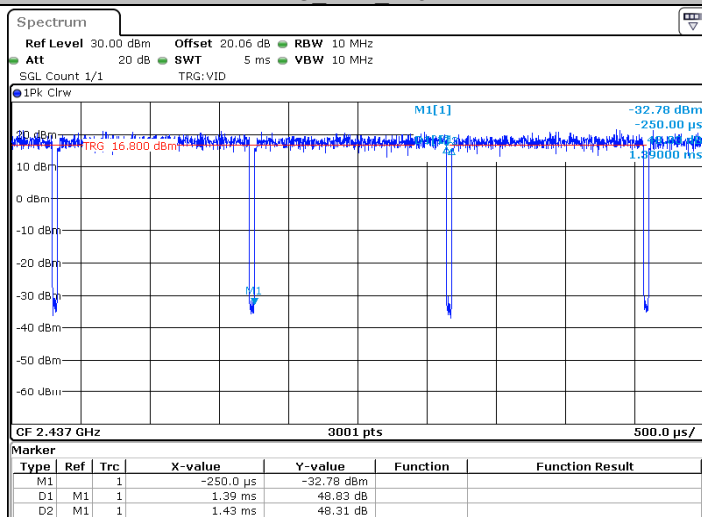


11G_Ant1_2412



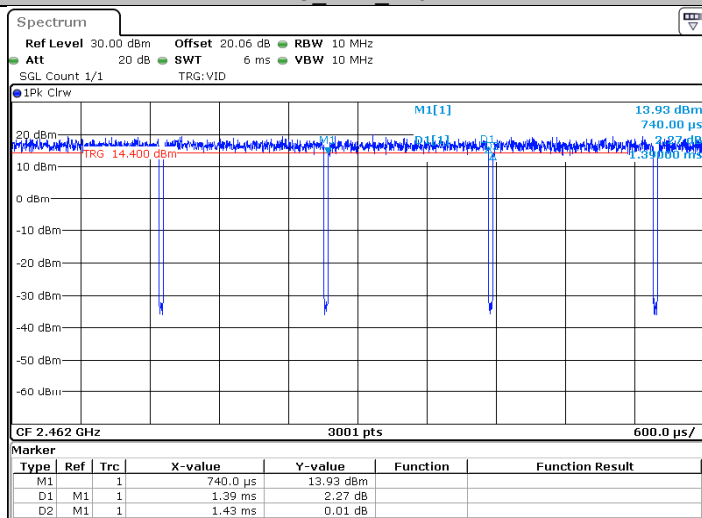
ProjectNo.:2501S51531E-RF Tester:Navilite,Cai
Date: 29.APR.2025 15:25:29

11G_Ant1_2437



ProjectNo.:2501S51531E-RF Tester:Navilite,Cai
Date: 29.APR.2025 15:27:47

11G_Ant1_2462



ProjectNo.:2501S51531E-RF Tester:Navilite,Cai
Date: 29.APR.2025 15:30:56

